Island Energy Dashboard
Marilyn Ostergren
Bainbridge Island
27.5 square miles
23,000 inhabitants
1.9x national average
Our mission is to educate, inspire and mobilize our community to create a clean energy future for Bainbridge Island through energy efficiency, conservation, and renewable energy generation.
Major goal: retrofits
THE OLSON FAMILY

What's your favorite thing about Bainbridge Island? The natural environment. It’s so green and beautiful here.

Where are you most likely to be on a sunny Saturday? On a rainy Sunday? Hopefully on a sunny Saturday, we’re at the beach. On a rainy Sunday, we’re near a cozy fire or walking in Grand Forest.

Describe your home in three words: Cozy, Inviting, Simple.

Who (or what) uses the most energy in your home? Our furnace and electric heating draw quite a lot of current.

What’s your guilty (energy) pleasure? Hot showers and way too many computers.

Why do you believe in energy efficiency? It’s absolutely vital for the future of our kids. Being efficient with our resources is the right and most rational thing to do.

How will you help RePower Bainbridge? We’ve already made recommended improvements and added Solar panels. We’ve also installed a real-time energy meter so we can track and modify our behavior as a family.

HOME STATS:
• Year Built: 1979
• Concern: Heating, high power bills, cold and uncomfortable winters
• Solution: Insulation, air & duct sealing, doors, windows, heat pump, Solar water heating

BE AN ENERGY CHAMPION!
Schedule your FREE Home Energy Check-Up
877.741.4340 • RePowerBainbridge.org
MY HOME MAKES AN IMPACT
RePowerBainbridge.org
THE POWER'S IN OUR HANDS

Schedule a FREE Home Energy Check-Up. Call 1.877.741.4340 or visit RePowerBainbridge.org today.
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<th>Day/Month/Yr/Time</th>
<th>Winslow Sub</th>
<th>Murdon Cove Sub</th>
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How much electricity are we using right now?
How much electricity are we using right now?

NORTH: Port Madison

42%
12.4 MW

% of capacity

0% 100%

Visit RepowerBainbridge.org to learn more
How much electricity are we using right now?

CENTRAL: Murden Cove
52%
15.1 MW

% of capacity

0% 100%

Visit RePowerBainbridge.org to learn more
How much electricity are we using right now?

SOUTH: Winslow

76% 22.1 MW

% of capacity

0% 100%

Visit RePowerBainbridge.org to learn more
What is our daily usage pattern?
Daily electricity use
(our demand peaks twice a day)

Saturday November 26
5:00-6:30 PM
9:00-10:30 AM

Sunday November 27
9:30-10:00 AM
6:30-7:00 PM

Monday November 28
7:00-8:30 AM

42.0 MW

www.RePowerBainbridge.org
Daily electricity use
(our demand dips twice a day)

Saturday November 26
2:00-3:30 AM

Sunday November 27
2:30-3:00 AM
3:30-4:00 PM

Monday November 28
1:00-2:30 AM
1:00-2:30 PM

42.0 MW

www.RePowerBainbridge.org
Substation comparison
(the pattern is similar at each substation)

BAINBRIDGE (entire island)

42.0 MW

Saturday November 26  Sunday November 27  Monday November 28

www.RePowerBainbridge.org
Substation comparison
(the pattern is similar at each substation)

Saturday November 26  Sunday November 27  Monday November 28

42.0 MW

SOUTH  (Winslow substation)

www.RePowerBainbridge.org
Substation comparison
(the pattern is similar at each substation)

Central (Murden Cove substation)

Saturday November 26  Sunday November 27  Monday November 28

MW
42.0 MW

www.RePowerBainbridge.org
How does consumption vary day-to-day?
Peak electricity use
...what drives it?

October
November

Go to RePower.org to learn more
Temperature

Sunday, November 27

October

November

current: 41°F

Go to RePower.org to learn more
When it gets colder...

Go to RePower.org to learn more
Sunday, November 27

When it gets colder... we consume more

Go to RePower.org to learn more
When it gets colder...
we consume more ...
...in the North

October
November

Go to RePower.org to learn more
When it gets colder... we consume more... in the Center.

Go to RePower.org to learn more.
Sunday, November 27

When it gets colder...

we consume more...in the South

Go to RePower.org to learn more
How much electricity are we using right now?

CENTRAL: Murden Cove
52%
15.1 MW

0%  100%
% of capacity

Visit RePowerBainbridge.org to learn more

Daily electricity use
(our demand dips twice a day)

Sunday, November 27
When it gets colder... we consume more ...In the South

Go to RePower.org to learn more
How much electricity we use throughout the day

Winslow substation

November 16

November 17

November 18

AM peak
PM peak
AM peak
PM peak
AM peak
PM peak

current: 17.8 MW (14% of substation capacity)

Go to RePower.org to learn more
How much electricity are we using each day?

Average daily temperature:
- Current temperature: 41°F

Daily average electricity consumption (MW):
- Today: Nov 29

Data supplied by PSE.

Go to RePower.org to learn more.